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| 1. Record Nr. | UNINA9910887836203321 |
| Titolo | JoVE science education Bioengineering |
| Pubbl/distr/stampa | Cambridge, Massachusetts : , : MyJoVE Corporation, , 2018- |
| Descrizione fisica | 1 online resource (streaming video files) |
| Disciplina | 610.28 |
| Soggetti | Bioengineering |
| Lingua di pubblicazione | Inglese |
| Formato | Videoregistrazione |
| Livello bibliografico | Periodico |
| Note generali | Refereed/Peer-reviewed |
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| 2. Record Nr. | UNINA9910968224403321 |
| Autore | Meng Ellis |
| Titolo | Biomedical microsystems / / by Ellis Meng |
| Pubbl/distr/stampa | Boca Raton, FL : , : CRC Press, an imprint of Taylor and Francis, , [2010]
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| ISBN | 1-04-005733-0
0-429-10894-X
1-4398-9452-3
1-62870-625-2 |
| Edizione | [First edition.] |
| Descrizione fisica | 1 online resource (410 p.) |
| Disciplina | 610.28 |
| Soggetti | Biomedical engineering
Nanomedicine |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Front cover; Contents; Preface; Acknowledgments; Author; Chapter 1. Introduction; Chapter 2. BioMEMS Materials; Chapter 3. Microfabrication |

Methods and Processes for BioMEMS; Chapter 4. Microfluidics; Chapter 5. Lab-on-a-Chip and Micro Total Analysis Systems; Chapter 6. Sensing and Detection Methods; Chapter 7. Applications to Cells, Nucleic Acids, and Proteins; Chapter 8. Clinical Monitoring; Chapter 9. MEMS Implants and Bioelectric Interfaces; Index; Back cover

Sommario/riassunto

Poised to dramatically impact human health, biomedical microsystems (bioMEMS) technologies incorporate various aspects from materials science, biology, chemistry, physics, medicine, and engineering. Reflecting the highly interdisciplinary nature of this area, Biomedical Microsystems covers the fundamentals of miniaturization, biomaterials, microfabrication, and nanotechnology, along with relevant applications.
